***Air Quality Information***

***C:\Users\gnwalton\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\6ANH0H5D\MC900150795[1].wmf***

You have been selected by the EPA to create a presentation (poster or pamphlet) explaining air quality. You will explain ways to protect air quality and the effects man has on it. Keep these questions in mind. How is air quality measured? Why are these pollutants a concern? What are the health and environmental issues? How can these pollutants be reduced? What causes these pollutants?

You will first go to <http://www.epa.gov/air/urbanair/> You will list ALL six common air pollutants. Choose one of the six pollutants and answer the following questions: Why is this pollutant a concern to us? What are the health and environmental issues? What causes this pollutant? How can this particular pollutant be reduced? How can YOU protect our air??

Next, click on the map that is on the right side of the EPA website. You will need to type in the zip-code for our area (23456). This will allow you to find the air quality forecast and current conditions for our area. You will need to include the date, conditions (moderate/good), and number of particles in your presentation.

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|  | Criteria | 4 | 3 | 2 | 1 | Self-Score | Score |
| **Analyze the properties that can be observed and measured to predict air quality** | Six common air pollutants. | Student lists all six common air pollutants. | Student lists most of the common air pollutants. | Student lists  some of the  common air  pollutants. | Student lists a few of the common air pollutants. |  |  |
| What is this pollutant and why is this pollutant a concern to us? | Student identifies what the pollutant is and all of the reasons why this pollutant is a concern to us | Student identifies what the pollutant is and most of the reasons why this pollutant is a concern to us | Student identifies what the pollutant is and some of the reasons why this pollutant is a concern to us | Student identifies what the pollutant is and none of the reasons why this pollutant is a concern to us |  |
| **Evaluate the students’ roles in protecting air quality** | What causes this pollutant? | Student identifies all of the causes of this pollutant | Student identifies most of the causes of this pollutant | Student identifies some of the causes of this pollutant | Student identifies a few of the causes of this pollutant |  |  |
| What are the health and environmental issues? | Student describes all of health and environmental issues | Student describes most of the health and environmental issues | Student describes some of the health and environmental issues | Student describes little of the health and environmental issues |  |
| How can this particular pollutant be reduced? | Student identifies all the ways this pollutant can be reduced | Student identifies most of the ways this pollutant can be reduced | Student identifies some of the ways this pollutant can be reduced | Student identifies a few of the ways this pollutant can be reduced |  |
| How can YOU protect our air?? | Student describes several ways he/she can protect our air | Student describes some of the ways he/she can protect our air | Student describes a few of the ways he/she can protect our air | Student describes one of the ways he/she can protect our air |  |
|  | Professionalism  Not Graded | Presentation is exemplary. Student effort to reach for excellence (not perfection) is obvious | Presentation is engaging to view. The observer can easily understand the information presented. | Presentation is difficult to understand and follow. | Presentation is significantly lacking in understanding of material and difficult to follow. |  |  |